Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of Claims in the application:

Listing of Claims:

The following listing of claims is intended to supercede all previously filed listings of claims. Changes are shown with deletions in ~~strikethrough~~ or in [[double brackets]] and additions underlined.

1-34. (Previously Cancelled)

35. (Previously Presented) A method of testing at least two distinctive ionic conductive liquids flowing in a milk line system at different times comprising measuring the flow of electrical current between a pair of electrodes in said system when said liquid is milk to determine the wholesomeness of the milk and, when the liquid is a fluid that contains hydrogen peroxide, to determine the completeness of the rinsing process in said milk line system.

36. (Previously Presented) A method in accordance with Claim 35, wherein said milk line system includes a plurality of teat cups, milk from each said teat cup being received in a separate milk line, further electrodes comprising a further pair of electrodes in each said milk line, each said pair of electrodes separately transmitting data to a computer as to the wholesomeness of milk in each corresponding said milk line during the milking operation and further transmitting data to said computer during a rinsing operation concerning the completeness of the rinsing process of each said milk line.

37. (Previously Presented) A method in accordance with Claim 36, including the step of securing all but one of said milk lines during the rinsing operation so that only one of said milk lines is being rinsed at a time in succession.

38. (Previously Presented) A method in accordance with Claim 35, comprising maintaining the temperature of said rinsing fluid at a constant temperature during the milking operation.

39-54. (Previously Cancelled)

55-64. (Cancelled)